

FRAMEWORK FOR EMPANELMENT OF AGENCIES FOR SOLID WASTE MANAGEMENT INITIATIVES

2. Upgradation and Operation & Maintenance (O&M) of Existing Biogas Plants

(കേരള സാധാരണ സ്ഥാപനത്വത്തിൽ നിലവിലുള്ള ബയോഗ്യാസ് യൂണിറ്റുകൾ പുതുക്കി ശാസ്ത്രീയമായി നല്കുന്ന നിതിയിൽ പ്രവർത്തിപ്പിക്കാൻ താത്പര്യം ഉള്ളവർക്കായി)

This category focuses on upgradation of existing waste management facilities at LSGI level ensuring its minimum environmental quality standards as stipulated by the BIS and performing operation and maintenance of the facility for at least 5 years. This encompasses a holistic approach to infrastructure improvement, process optimization, and operational enhancement. The scope of upgradation includes, but is not limited to, civil infrastructure repairs and modifications, installation of advanced processing technologies, implementation of effective leachate and air quality management systems, and ensuring compliance with all relevant environmental laws and regulations. The ultimate goal is to transform existing facilities from potentially polluting sites into compliant, efficient, and environmentally sound hubs for sustainable waste processing and disposal, thereby protecting public health and the local ecosystem.

Key Feature	Detail
Primary Goal	The comprehensive upgradation and modernization of existing waste management facilities situated at the Local Self-Government Institution (LSGI) level. This category targets the revitalization and long-term efficient operation of existing biogas facilities within LSGIs.
Contract Duration	The empanelled agency shall undertake a minimum five-year (5 years) contract for Operation & Maintenance (O&M).
Revenue Model	Work shall be compensated on a tipping fee basis , paid by the LSGI for waste processing.
Revenue Sharing	A minimum 20% royalty share of the revenue generated from the sale of biogas/bio-CNG/slurry/biomass/byproduct-sale must be shared with the respective LSGI (Local Body).

Scope of Work for Empanelled Agencies:

The selected agency shall undertake the following mandatory responsibilities:

- **Agreement and working:** Execute an agreement with Local Self-Government Institutions (LSGIs) through a tendering process to facilitate the systematic processing of biodegradable waste. Maintain accurate and up-to-date records detailing the quantities of waste collected, processed, and the output generated. Submit these records in the format prescribed by Suchitwa Mission as and when directed.
- **Upgradation and Operation:** The facilities shall consistently meet and maintain minimum environmental quality standards, as rigorously stipulated by the Bureau of Indian Standards

(BIS). The agency shall handle, manage, and dispose of all outputs, residues, leachate, effluents, and emissions generated in the process of waste treatment, strictly in accordance with all applicable local, state, and national environmental laws and regulations.

- **Sorting and Segregation:** The agency shall implement efficient waste sorting and segregation methods at appropriate stages to ensure optimal processing and quality of output.
- **Tipping fee:** Establish a revenue collection mechanism through tipping fees imposed on the LSGIs in accordance with government norms.
- **Record maintenance:** The agency shall maintain a complete record of bio waste received, quantity of waste processed, quantity of biogas generated and utilized.
- **Experience Prerequisite:** Demonstrate substantial prior experience and proven expertise in the professional management of organic waste streams and the production and handling of quality output such as biogas/ CNG/ any other byproduct.

Link to apply : <https://forms.gle/GQCv2jpoqpWHpVQZ7>